

96.03.27 96DE-1012032 (97.10.02) C07D 239/54, A01N 43/54, C07C 271/22, 275/24

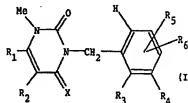
New 1-methyl-3-benzyl-6-haloalkyl-uracil derivatives - useful as pre- or post-emergence, total or selective herbicides and as desiccants or defoliants, especially for cotton (Ger)

C97-167275 N(AU BG BR BY CA CN CZ GE HU IL JP KR KZ LV MX NO NZ PL RO RU SG SI SK TR UA US UZ VN) R(AT BE CH DE DK EA ES FI FR GB GR IE IT LU MC NL PT SE)

Addn. Data: MENKE O, HAMPRECHT G, HEISTRACHER E, KLINTZ R, SCHAEFER P, ZAGAR C, MENGES M, WESTPHALEN K, WALTER H, MISSLITZ U 97.03.10 97WO-EP01203

Substituted 1-methyl-3-benzyl-6-haloalkyl-uracil derivatives of formula (I) and their salts and enol ether derivatives are new.

C(7-D12, 14-U1A, 14-V1, 14-V2, 14-V3) 3



|WO 9735845-A+13

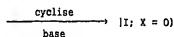
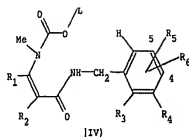
|WO 9735845-A+14

(III)

WO 9735845-A+US

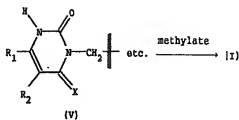
(con't)

(C) 2004 Copyright Derwent Information Ltd.



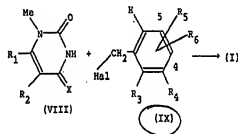
L = alkyl or phenyl.

(b)



WO 9735845-A+6

(c)

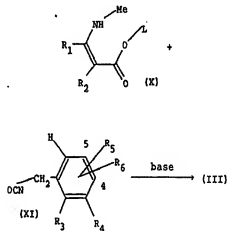


Reaction is in presence of base, or (VIII) is used in alkali metal salt form.

STARTING MATERIALS

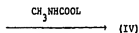
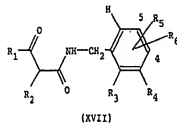
(III) and (IV) are prepared e.g. as follows.

(a)



WO 9735845-A+7

(b)



EXAMPLE

A solution of 1.8g 3-(2,3-dichloro-4-isopropoxybenzyl)-2,4-dioxo-1H-6-trifluoromethyl-1,2,3,4-tetrahydropyrimidine in 50 ml DMF was treated with 0.7g K₂CO₃ and 0.7g MeI, stirred for 18 hrs. and treated with 150 ml ice-water. The solid product was isolated to give 1.4g of 3-(2,3-dichloro-4-isopropoxybenzyl)-2,4-dioxo-1-methyl-6-trifluoromethyl-1,2,3,4-tetrahydropyrimidine (Ia), m. pt. 167-168°C.

BIOLOGICAL ACTIVITY

(Ia) at 3.9 and 7.8 g/ha post-emergence showed good selective herbicidal activity against *Abutilon theophrasti*, *Amaranthus retroflexus* and *Solanum nigrum* in wheat. (RMH) (117pp2400DwgNo.0/0) SR: WO9504461

WO 9735845-A/8